

CLAIMS:

1. A kit comprising arsenic trioxide and instructions for determining a therapeutically effective dosage amount of said arsenic trioxide for the treatment of acute promyelocytic leukemia, comprising determining the weight of a patient diagnosed with acute promyelocytic leukemia and determining a therapeutically effective dosage amount of said arsenic trioxide based upon said weight.

2. The kit of Claim 1, further comprising instructions wherein said therapeutically effective dosage amount of said arsenic trioxide is about 0.15 mg arsenic trioxide per kg of said patient.

3. The kit of Claim 1, further comprising instructions wherein said therapeutically effective dosage amount of said arsenic trioxide is 0.15 mg arsenic trioxide per kg of said patient.